



UPM strengthens educational partnerships with four Jordanian universities

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## Do not gloat over current good performance - Prof. Dato' Dr. Fauzi

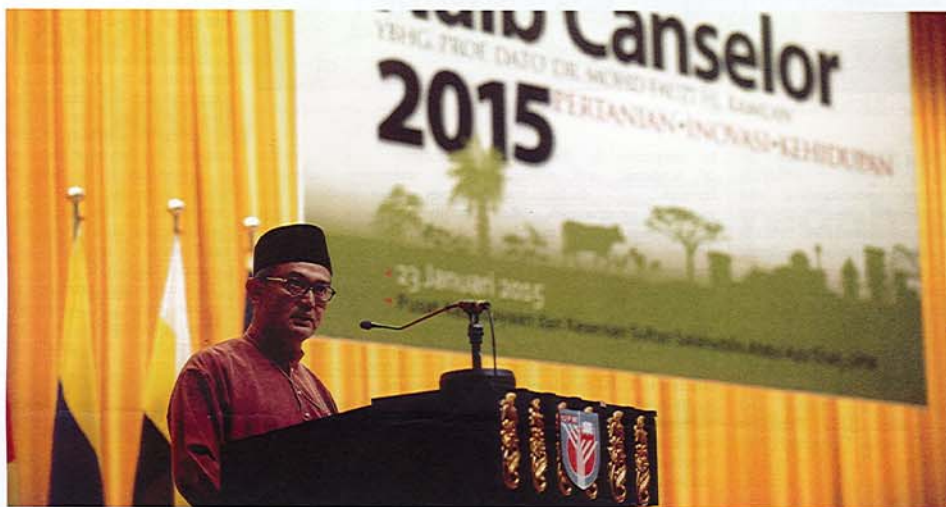
By Azman Zakaria

SERDANG, Jan 23 - Universiti Putra Malaysia (UPM) Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan has outlined eight areas that would be emphasised in 2015, and urged all parties in UPM not to feel too comfortable and satisfied with the good performance achieved thus far.

Vice Chancellor, in his 2015 annual message, with the theme 'Agriculture, Innovation, Life', said emphasis was given in spurring academic excellence and international reputation; championing agriculture; research and development; and mainstreaming social innovation.

Among other emphasis were, creating global human capital and innovative entrepreneurship; forming innovative human resource and environmentally-friendly campus; sustainable financial management; and showcasing the university through dedication and solidarity among university community.

He said that a university's greatness did not lie in the infrastructure sophistication, instead its academic niches and scholarship.



He said, even though UPM has top-notch academic staff, its academic quality would continue to be strengthened in line with the university's goals in producing knowledgeable and competitive graduates.

Through the initiative carried out by Centre for Academic Development (CADE), the Academic

Continuing Professional Development (CPD) programme was designed and developed to improve competence and professionalism among academics, involving five key areas which are, teaching and publishing, leadership development, talent and academic professionalism, and

professional services.

"In 2015, UPM will offer three courses through Massive Open Online Course (MOOC), which include two university's foundation courses and a course in a niche area that are going to take place in September 2015.

"I fervently hope that CADE can provide an action plan framework, technical support

and manpower in implementing the three MOOC courses," he said at the ceremony attended by about 1,000 UPM staff.

He said championing agriculture was not only putting UPM on top of the rank, but it needed to be translated for the benefit of the civilisation.

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## UPM ranked 41<sup>st</sup> in UI-Green Metric World University Ranking

By Abdullah Arshad

SERDANG, Jan 19 - Universiti Putra Malaysia (UPM) is placed 41st, based on its campus sustainability efforts and environmental management, in the latest UI-GreenMetric World University Ranking which was published recently.

The rating initiative, organised by Universitas Indonesia had attracted participation 360 universities to 301 universities from 61 countries in the previous year.

This environmental sustainability rating comprised more than 40 indicators covering six major areas; infrastructure (15%), energy and climate change (21%), waste (18%), water (10%), transport (18%) and education (18%).

UPM Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan, when commenting on the

success, said it was the UPM's commitment to the conservation and preservation of the environment through various undertakings, such as teaching, research, extra curricular activities and quality management system based on effective environmental management.

"UPM managed to scale up in the ranking, particularly in the transportation and infrastructure indicators such as size and green space infrastructure, in addition to facilities improvement, efficient energy and on-campus bicycle use.

"UI-GreenMetric also reveals its top five universities, the University of Nottingham, University College Cork, National University of Ireland, Nottingham Trent University, University of California Davis and the University of Oxford.

## UPM tops Ranking Web of Universities in Malaysia, scales up to 420<sup>th</sup> place worldwide

By Azman Zakaria

SERDANG, Feb 11 - Universiti Putra Malaysia (UPM) managed to nab first place in the Ranking Web of Universities (Webometrics Ranking) in Malaysia, the latest ranking for higher education institutions (IPT's) websites, of which the results were issued in its January 2015 edition.

In the last year's July edition, UPM was ranked second among higher education institutions in Malaysia, and it once again emerged to top the ranking after successfully making it for the first time in January 2009.

Based on the January 2015 edition, UPM also managed to climb to the 420th place among the participating

universities worldwide, scaling up 90 places from the previous 510th place and has maintained its feat in the world's top 1,000 universities since 2009.

While among Asian universities, UPM has been ranked 76th, improving its standing by 21 places from the 97th place in the last edition.

The rating evaluated more than 20,000 universities worldwide, including 89 from Malaysia; 20 public and 69 private IPT's.

Universiti Sains Malaysia (USM) has been ranked second in Malaysia (world's 480th), followed by Universiti Teknologi Malaysia (world's 552th), Universiti Malaya (world's 646th) and Universiti Kebangsaan Malaysia (UKM) (world's 815th).

It also evaluated 'impacts'

indicator, where UPM emerged to reach the 1,088th place worldwide, compared to the previous 1,668th place.

Webometrics is a rating system in which the website visibility is used as an indicator to measure the universities performance at a global level and it is conducted by Cybermetrics Lab (Spanish National Research Council, CSIC).

The rating is based on four main indicators; 'impact', 'presence', 'openness' and 'excellence' and the results are issued every six months, January and July each year.

All indicators factor in each university's commitment to teaching, research, international prestige, network with community including industry and economy.

### HIGHLIGHT



UPM Donates RM60,000 to Ministry of Education Flood Relief Fund

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Inovasi minyak, lemak guna teknologi nano untuk kosmetik dan farmaseutikal

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# UPM strengthens educational partnerships with four Jordanian universities



Signing a Letter of Intent between UPM and JUST, Jordan, represented by Prof. Dato' Dr. Mohd Fauzi Ramlan and Prof. Ahmed M. Elbetieha, witnessed by Prof. Mad Nasir Shamsudin (left) and JUST official.

By Mohd Nazri Md Yusin

AMMAN, Jan 27 - Universiti Putra Malaysia (UPM) delegation has managed to improve the university's academic cooperation and internationalisation of education programmes with four Jordanian universities recently.

The delegation, led by Vice-Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan had a working visit to Amman Arab University (AAU), Jordan University of Science and Technology (JUST), Yarmouk University and the University of Jordan.

He described the visit was an initial stage to cooperate more closely through internationalisation ventures with universities in Jordan and the Middle East.

"This visit meets its targets by achieving positive understanding and commitment given by the four Jordanian universities. 'This is an effort to improve academic and research success, besides encouraging students/staff of universities in Jordan to come to UPM,' he said.

He held a meeting with Arab Amman University (AAU) President, Jordan University of Science and Technology (JUST) President and Yarmouk University Vice President on January 26 to ink a memorandum of understanding (MoU) and a letter of intent with the universities.

UPM delegation also inked another MoU after a meeting with the University of Jordan management officials on January 27.

All sides have agreed

to cooperate in the fields of academic and research through students/staff exchange programmes, offer dual degree (jointly awarded degree), organise international conferences, seminars and research collaborations.

Prof. Dato' Dr. Mohd Fauzi also expressed his wish to invite the University of Jordan president and management officials to UPM to witness its facilities and academic system. Also present during the visit was Education Malaysia Jordan Director, Assoc. Prof. Dr. Azidan Abdul Jabar.

**Yarmouk University**

Established in June 1976 by a Royal Decree, Yarmouk University has developed steadily into one of the largest and most prestigious state-supported educational

institutions in Jordan. The university currently houses 27,850 students, 936 faculty members, and 1,740 administrative and technical staff spread over 13 faculties that offer 56 bachelor degree programmes, 63 master degree programmes, and 19 PhD programmes in a variety of specialisations. It also has 11 centres for research and career development.

**Jordan University of Science and Technology (JUST)**

Jordan University of Science and Technology (JUST) is a comprehensive, state-supported university located on the outskirts of Irbid, in northern Jordan, 70 km north Amman, the capital city of Jordan. JUST was established in 1986 as an autonomous national institute of higher education

with the main objective of producing outstanding professionals in specialisations that match the needs of Jordan and the region.

Since its establishment, JUST has been at the forefront of higher learning in the Arab World. It also maintains a high reputation among the Middle Eastern universities due to its faculty and administrative staff, multi-disciplinary educational system and broad diversity of students. The university was described as the best scientific institution in the Kingdom by King Abdullah II during his last visit, and it was ranked as the top research university in the country, and amongst the top 50 universities in the Islamic World, according to a study carried out by the Statistical, Economic and Social Research and Training Centre for Islamic Countries (SESERIC).

The university provides a wide range of advanced degree programmes at the undergraduate and graduate levels, many of them are not offered by any other Jordanian university. At the present time, the university comprises 12 faculties (Medicine, Engineering, Science & Arts, Pharmacy, Dentistry, Agriculture, Veterinary Medicine, Architecture, Information Technology, Applied Sciences, Nursing and Graduate Studies) and 55 departments offering 42 undergraduate programmes and 95 postgraduate programmes.

**University of Jordan**

The University of Jordan is both a modern as well as old institution of Higher Education in Jordan. Established in 1962, the University has, since then, applied itself to the advancement of knowledge no less than to its dissemination. In its capacity as a comprehensive teaching, research and community-service institution, the University of Jordan enables its students to choose from a wide range of programmes - more than 3500 different courses are offered by some 18 faculties.

From an international perspective, the University offers 63 international programs at the undergraduate level, and 130 international programmes at the graduate level and in all fields of specialisations. All programmes offered by the University combine traditional academic lecturing with the more liberal methodologies of instruction which are based on dialogue, research and creative thinking.

**Amman Arab University**

Amman Arab University was established in 1999 as a private, non-profit institution, specialises in graduate studies and under the name of Amman Arab University for Graduate Studies, it has become the first Jordanian university which was competent in offering master's and doctoral programmes. The institution is also a member of the Association of Arab Universities.

## UPM donates RM60,000 to MoE flood relief fund

By Noor Eszereen Juferi  
Photo: Marina Ismail

PUTRAJAYA, Jan 9 - Universiti Putra Malaysia (UPM) made a contribution totalling RM60,000 to the Flood Relief Fund, Ministry of Education (MOE), in aiding flood victims in the flood-hit states.

The donation was presented by UPM Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan to the Education Minister II, Datuk Seri Idris Jusoh at the launch of the ministry's Flood Relief Fund, here.

At the event, a total of RM1.5 million was collected, contributions made from various public and private higher education institutions (IPT).

Previously, MOE initiated its Post-Flood Operation on January 1, which mobilised more than 50,000 student volunteers and IPT staff nationwide to provide expertise, essential goods to the flood victims as well as help with the cleaning works.



Meanwhile, UPM also initiated 3D Flood Aid Volunteer Mission First Phase from January 2 to 5 (Rantau Panjang, Kelantan); Second phase on

January 8 (Bera, Pahang) and Third Phase from January 8 to 11 (Tanah Merah, Pasir Mas and Kuala Krai, Kelantan), consisting of 303 UPM students and staff.

## Jerantut's traditional Malay house 'migrates' to UPM

By Noor Eszereen Juferi  
Photo: Marina Ismail

JERANTUT, Feb 4 - The Malay Heritage Museum, Universiti Putra Malaysia (UPM) managed to relocate a 94-year-old Malay house, once belonged to a district headman in Jerantut, Pahang, to UPM to complete the museum's traditional Malay houses collection.

Malay Heritage Museum Director, Dr. Muhammad Pauzi Abd Latif, said the house once occupied by the Jerantut's district headman, Haji Ismail Haji Khatib Bakar, was deemed to be the special one due to its unique architecture.

"Along the journey in looking for old Malay houses, this is the only house built with a stateroom and its wooden structure is still intact despite having gone through devastating floods in Pahang in 1926, 1971 and 2014," he said.

He added that the heir of the house, Zaharah Ismail, who is also the youngest child

of the headman agreed to hand over the house to UPM for conservation works and education purposes, especially to the Malay Heritage Museum visitors.

"She also handed over a 30-foot canoe, which is also the longest canoe made from a hollowed log and a set of nine-foot rowers," he said.

Meanwhile, the district headman was also said to have a relation with Tok Pahlawan Gendut, a hero who fought against the British rule in Malaya during the British colonial period.

Dr. Muhammad Pauzi was certain that the house would be used as a reference point for Malay house architecture researchers as well as future generations.







## Sukarelawan bantu mangsa banjir di Bera, Pahang

Oleh Khairul Anuar  
Muhamad Noh

SERDANG, 7 Jan - Universiti Putra Malaysia (UPM) menghantar lagi Misi Sukarelawan Bantuan Mangsa Banjir 3D fasa kedua menggunakan dua bas ke Sek. Men. Keb. Mengkarak, Bera, Pahang pada 6 Januari dianggotai

oleh 53 sukarelawan daripada staf, pelajar tempatan dan 15 pelajar antarabangsa.

Timbalan Naib Canselor (Hal Ehwal Pelajar dan Alumni) Prof. Dato' Dr. Mohammad Shatar Sabran memuji keprihatinan dan tanggungjawab sosial yang ditunjukkan oleh pelajar antarabangsa terhadap nasib

masyarakat tempatan.

Terdahulu seramai sukarelawan UPM yang terdiri daripada 150 pelajar dan staf termasuk pasukan perubatan yang diketuai oleh beliau telah menamatkan misi mereka di Kelantan pada 5 Januari sebelum kumpulan fasa ketiga dan keempat akan dihantar masing-masing pada 8 hingga 11

Januari dan 13 hingga 16 Januari ini di Kelantan dan Pahang.

"Pada hari terakhir misi di Kelantan semalam, Bahagian Hal Ehwal Pelajar memberikan sumbangan kepada beberapa buah keluarga yang kehilangan rumah akibat banjir di Manek

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## Sukarelawan ketepikan risiko, redah selut

Oleh Azman Zakaria

SERDANG, 19 Jan - Berdepan pelbagai risiko - menaiki kenderaan melalui jalan raya yang sebahagiannya runtuh, mengharungi air yang tidak diketahui bahaya yang menanti, meredah selut se paras lutut - antara pengalaman getir yang dilalui kira-kira 900 pelajar dan staf Universiti Putra Malaysia (UPM) yang menyertai "Misi Sukarelawan Bantuan Mangsa Banjir" di Pantai Timur.

Membersihkan bangunan awam dalam keadaan hujan lebat dari pagi hingga ke petang, ketiadaan elektrik dan bekalan air paip serta tiada peralatan seperti mop juga antara cabaran yang ditempuh anggota sukarelawan itu.

Ketua Bahagian Hal Ehwal Pelajar UPM, Noor Mohamad Shakil Hameed yang mengetuai misi itu berkata, program berkenaan membolehkan tujuh misi ke Kelantan dan Pahang.

Misi pertama dari 2 hingga 5 Januari adalah di Rantau Panjang, Pasir Mas dan Kuala Krai di Kelantan; misi kedua pada 5 Januari di Bera, Pahang; misi ketiga dari 8 hingga 11 Januari ke Pekan, Pahang serta ke Rantau Panjang; misi keempat dari 11 hingga 14 Januari di Pekan; dan misi kelima dari 13 hingga 16 Januari juga di Pekan.

Misi keenam dibuat dari 23 hingga 25 Januari di Kuala Krai, manakala misi ketujuh dari 24 hingga 27 Januari di Pekan.

Melalui misi "Bantuan 3D UPM" (Derma, Dorong, Doa) itu barang keperluan yang disumbangkan staf dan pelajar dikumpulkan sebelum dibawa ke pangkalan Tentera Udara Diraja Malaysia (TUDM) di Subang untuk dibawa oleh pesawat ke Pantai Timur.

Kumpulan misi UPM juga ada membawa barang keperluan untuk mangsa banjir, selain turut membawa

peralatan untuk kerja-kerja pembersihan seperti penyapu dan sabun.

"Selepas kami tiba di Kelantan, pihak penyelaras di Bilik Gerakan menugaskan kami ke Klinik Kesihatan Bandar di Pasir Mas. Klinik itu ditutup kerana dipenuhi selut yang tebal. Kami bekerja membersihkan dari pagi hingga ke petang, dan keesokannya klinik itu dibuka semula," kata Noor Mohamad.

"Di Sekolah Kebangsaan Paloh Hinai, Pekan pula kami membersihkan dua blok bangunan, ketika dua blok bangunan lain masih dinaiki air. Keadaan umpama baharu dilanggar Garuda, perkakasan kerusi, meja dan buku-buku bersepah. Kami bekerja dari pagi hingga petang dalam keadaan hujan lebat," katanya. Misi juga pergi ke SK Mambang, SK Tanah Rom, dan SK Gintong, kesemuanya di Pahang.

"Ketika kumpulan pertama kami tiba di Kuala Krai, Kelantan pula, ada tempat yang terputus bekalan air, tiada bekalan elektrik menyebabkan 'water jet' tidak boleh digunakan." "Mop pula tidak ada, kerana kedai turut terjejas dengan banjir dan juga mungkin kerana telah kehabisan akibat permintaan yang tinggi," katanya.

Seramai 40 pelajar dan staf UPM terabit dalam kerja-kerja di pangkalan TUDM Subang itu, selain ramai sukarelawan lain. "Kami mengasingkan pakaian lelaki, wanita serta kanak-kanak ke dalam. Rasa puas, semua pihak memberikan komitmen penuh."

Banjir itu bagaimanapun mencatat peristiwa tragis apabila pelajar tahun tiga, Fakulti Perhutanan UPM, Mohd Fadzil Noor Haji Johar terkorban di kampungnya di Kampung Temai Hilir, Pekan akibat lemas ketika membantu keluarganya.



## UPM hantar tiga lori bawa bekalan 9 tan untuk mangsa banjir

Oleh Khairul Anuar  
Muhamad Noh &  
Nor Zaina Darus

SERDANG, 30 Dis - Universiti Putra Malaysia (UPM) menghantar sembilan tan bekalan bantuan kemanusiaan dan wang tunai untuk mangsa banjir bermula minggu ini menggunakan tiga buah lori bagi fasa pertama.

Timbalan Naib Canselor (Akademik dan Antarabangsa), Prof. Datuk Dr. Mad Nasir Shamsudin berkata bekalan itu dihantar berperingkat mulai semalam hingga 2 Januari ke Pusat Operasi Angkatan Tentera Malaysia di Pengkalan Udara Subang, Shah Alam.

"UPM juga akan menghantar bantuan ke pusat pengumpulan yang dikendalikan oleh Kementerian Pendidikan Malaysia (KPM) di Universiti Malaysia Pahang (UMP)," katanya yang membantu pemunggaran bekalan dan melancarkan kempen "Bantuan 3D UPM" iaitu derma, doa dan

dorongan di sini.

Beliau berkata semua bekalan berupa pakaian, kelengkapan harian, produk makanan serta wang tunai adalah hasil sumbangan staf dan pelajar UPM serta orang awam.

"Kempen 3D ini bermaksud selain menderma, warga UPM menganjurkan solat hajat, bacaan Yassin dan menghantar sukarelawan am, sukarelawan kaunselor dan pegawai agama untuk membantu mangsa banjir yang memerlukan khidmat mereka.

"Kami juga menghantar kira-kira 400 sukarelawan staf dan pelajar UPM menggunakan 10 buah bas untuk membantu mangsa banjir. Kami akan menunggu arahan daripada KPM esok untuk menentukan lokasi sukarelawan UPM ditempatkan.

"Bantuan 3D UPM ini akan diteruskan pada fasa kedua minggu hadapan sehingga keadaan banjir dalam negara pulih sepenuhnya," katanya.

## Sukarelawan bantu mangsa banjir Rantau Panjang

Oleh Khairul Anuar  
Muhamad Noh

SERDANG, 5 Jan - Universiti Putra Malaysia (UPM) menghantar Misi Sukarelawan Bantuan Mangsa Banjir 3D fasa pertama pada 2 hingga 5 Januari, 2015 baru-baru ini terdiri daripada 150 pelajar dan staf termasuk pasukan perubatan ke lokasi bencana banjir di Rantau Panjang, Kelantan.

Pengerusi Misi Bantuan Mangsa Banjir 3D UPM, Prof. Dr. Mansor Ahmad Ayob berkata sebanyak 5 buah bas dan 2 buah lori 3 tan telah dihantar pada 2 Januari lalu dan pada 30 Disember lalu UPM telah menghantar sembilan tan bekalan bantuan dan wang tunai untuk mangsa banjir menggunakan tiga buah lori.

Beliau berkata semua bekalan berupa pakaian, kelengkapan harian, produk makanan serta wang tunai hasil sumbangan staf, pelajar UPM dan orang awam turut

dihantar serentak dengan misi sukarelawan.

"Sukarelawan UPM yang diketuai oleh Timbalan Timbalan Naib Canselor (Hal Ehwal Pelajar dan Alumni) Prof. Dato' Dr. Mohammad Shatar Sabran membantu dalam membersihkan Klinik Kesihatan Bandar, Pasir Mas Kelantan yang rosak teruk akibat banjir sehingga pusat itu mampu beroperasi keesokannya.

"Selain itu sukarelawan UPM juga membersihkan kawasan persekitaran dan komuniti Taman Rantau Emas, Rantau Panjang," katanya.

mengetuai misi itu berkata, program berkenaan membolehkan tujuh misi ke Kelantan dan Pahang.

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Kumpulan misi UPM juga ada membawa barang keperluan untuk mangsa banjir, selain turut membawa



Sukarelawan Muhd. Adib Kusni dan Noor Mohamad Shahril membawa keluar sampah Klinik Kesihatan



# Inovasi minyak, lemak guna teknologi nano untuk kosmetik dan farmaseutikal



Profesor Dr Mahiran bersama Dato' Seri Idris Yusof selepas memenangi anugerah 'Islamic Educational Scientific and Cultural Organization (ISESCO) for Science and Technology 2014'

Oleh Azman Zakaria

**SERDANG:** Penggunaan minyak dan lemak berjaya dipelbagaikan, hasil daripada inovasi yang menterjemahkannya menjadi bahan yang lebih berguna menggunakan teknologi nano, termasuk dalam industri farmaseutikal dan kosmetik.

Pensyarah Fakulti Sains Universiti Putra Malaysia (UPM), Profesor Dr Mahiran Basri bukan sahaja berjaya menghasilkan bahan baharu berasaskan minyak dan lemak yang mempunyai aplikasi dalam industri berkenaan, malah menghasilkan bahan berkenaan menggunakan kaedah mesra alam.

"Sintesis organik ini menggunakan enzim, dan menggunakan kaedah teknologi nano. Fokus kita adalah untuk memproses bahan baharu menggunakan minyak dan lemak," katanya dalam temu bual di pejabatnya.

Dalam bidang kosmetik umpamanya, beliau berkata, terdapat bahan antioksidan serta anti penuaan, dan dengan menggunakan teknologi nano itu maka bahan-bahan yang sangat kecil itu akan dapat meresap melalui kulit.

Sehubungan itu, katanya, ia akan lebih berkesan.

"Yang juga penting ialah bahannya halal dan selamat," katanya yang memenangi anugerah 'Islamic Educational Scientific and Cultural Organization (ISESCO) for Science and Technology 2014', di Rabat, Maghribi, Disember lalu.

Pengiktirafan itu berdasarkan penyelidikan yang aktif dan cemerlang dalam bidang kimia termasuk penyelidikan minyak kelapa sawit yang menyumbang kepada industri farmaseutikal dan kosmetik.

"Pada peringkat ini, kita sudah memperoleh projek pra-komersil dari Perbadanan Pembangunan Teknologi

Malaysia (MTDC)," katanya.

Profesor Dr Mahiran berkata dalam bidang farmaseutikal pula, inovasi berjaya dihasilkan dalam kaedah penghantaran ubatan melepasi 'halangan darah otak' (blood brain barrier) khususnya untuk penyakit yang ada kaitan dengan otak, seperti Alzheimer, Parkinson, Epilepsi dan Meningitis.

Dalam bidang 'agro-chemical' pula, Profesor Dr Mahiran berkata, formulasi dibuat dalam bentuk nano untuk membunuh larang dalam membantu pembangunan industri pertanian, di samping menyumbang membersihkan alam sekitar.

"Inovasi dalam formulasi bahan-bahan itu untuk kosmetik, farmaseutikal dan 'agro-chemical' dibuat menggunakan teknologi nano bagi menghasilkan produk terbaik daripada segi 'efikasi', 'bio-availability' dan selamat kepada pengguna," katanya.

**Do not gloat over current good performance Prof. Dato' Dr. Fauzi**

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"UPM sees food security as an agenda that actually requires a substantial contribution. In this advanced age and increasing demand for food, UPM must spearhead the food security initiative to ensure its sufficiency for every generation," he said. UPM would also allocate RM10 million to improve agriculture-related learning and research infrastructure.

He added, for this year's research and development programmes, UPM would improve analytic ability for research portfolio and innovation through "Putra Brain" special initiative in focusing high value research areas.

"UPM will also strengthen its role as a leader in national food security area through the establishment of National Food Security Centre (PSMN), apart from being a bridge to national food industry development, it will also assist the country in formulating policies and determine the direction for food security sector in Malaysia," he affirmed.

Dr Mohd Fauzi also said, UPM certainly wanted to accentuate social innovation in accordance with the university's motto 'With Knowledge, We Serve'.

In improving the implementation of social innovation or involvement programme, he said, University Community Transformation Centre (UCTC) must continue to strengthen its Community Transformation/Industry-University programmes' governance and implementation.

To achieve that objective, he added, five percent of the projects each year would be aimed at achieving high-impact status.

## Tanaman padi di tanah asid sulfat bakal lonjak pulangan besar

Oleh Azman Zakaria

**SERDANG:** Ramai pesawah padi di kawasan tanah berasid sulfat terpaksa mengambil keputusan untuk tidak meneruskan kegiatan ekonomi itu kerana penat jerih mereka tidak berbaloi lantaran hasil tuaian padi yang amat sedikit.

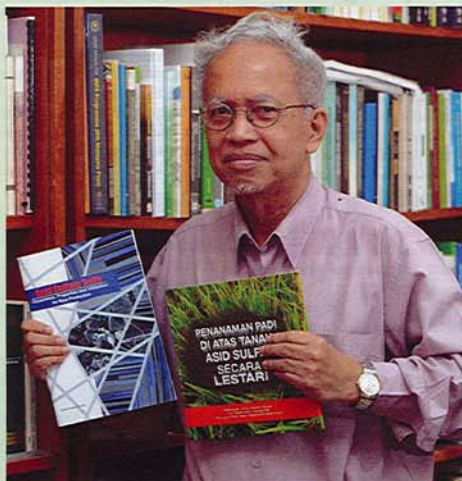
Namun igauan ini bakal menjadi satu perkara silam. Tanah asid sulfat itu sebaliknya akan membawa pulangan besar kepada pengusahanya melalui projek khas penanaman padi secara lestari di tanah asid sulfat.

Kawasan di Merbok, Kedah dijadikan tempat projek perintis melaksanakannya oleh penyelidik daripada Fakulti Pertanian, Universiti Putra Malaysia (UPM) melalui Program Pemindahan Ilmu atau 'Knowledge Transfer Programme' (KTP).

Projek lima tahun itu yang bermula pada 2011 itu dibiayai Kementerian Pendidikan dengan peruntukan hampir RM10 juta, dan kini pada peringkat akhir dengan matlamatnya agar petani memperoleh hasil tuaian yang lebih besar.

Pensyarah di Fakulti Pertanian UPM, Profesor Dr Shamsuddin Jusop yang mengetahui penyelidikan itu berkata, ia dilaksanakan melalui Program Skim Geran Penyelidikan Jangka Panjang (LRGS).

Beliau berkata tahap keasidan tanah akan dianalisis terlebih dahulu. Berdasarkan analisis itu, kapur dengan



jumlah yang disyorkan akan ditabur di tanah berkenaan yang akan bertindak balas mengurangkan keasidan tanah, sebelum pembajakan dilakukan dan benih ditabur.

Katanya, berdasarkan hasil awal daripada projek yang sedang dijalankan, ia menunjukkan pengeluaran padi di kawasan tanah berasid sulfat boleh ditingkatkan, sekali gus meningkatkan pendapatan petani terbahagi serta membantu meningkatkan keluaran padi negara.

"Pengeluaran beras negara dalam memenuhi keperluan rakyat amat mendesak kerana ketika ini Malaysia hanya berupaya mencapai 70 peratus sahaja. Masalah timbul kerana produktiviti

padi tidak bertambah dengan ketara, tatkala kadar pertumbuhan penduduk pula adalah tinggi dengan mencapai 30 juta orang pada tahun 2014," katanya.

Justeru, beliau berkata, tanah terbiar atau yang sedang mengalami degradasi perlu ditebus guna untuk penanaman padi, dengan penumpuan kepada tanah asid sulfat.

"Lebih 400,000 hektar tanah asid sulfat dikatakan wujud di negara ini, yang sebahagian besarnya boleh dimanfaatkan untuk tanaman padi," katanya yang memenangi 'Malaysia Toray Science Award' (MTSA) baru-baru ini berhubung teknologi meningkatkan kualiti pengeluaran padi negara.



## UPM dipilih MAFF, Jepun laksana program pembangunan makanan

Oleh Syfarida Muhamad Zaki  
Foto oleh Noor Azreen Awang

**PUTRAJAYA, 4 Mac** - Kementerian Pertanian, Perhutanan dan Perikanan (MAFF), Jepun telah memilih Fakulti Pertanian, Universiti Putra Malaysia (UPM) untuk melaksanakan program kerjasama ASEAN - Jepun di dalam mempromosikan penubuhan rantai nilai makanan global (Global Food Value Chain, GFVC).

Pemilihan UPM berdasarkan kekuatan penyelidikan dan pengajaran dalam bidang pertanian dan industri asas tani.

Perjanjian itu dimeterai oleh Naib Canselor UPM, Prof. Dato' Dr. Mohd Fauzi Ramli dengan Menteri juga Timbalan Ketua Delegasi, Kedutaan Jepun, Mr. Yoshinori Kodama semasa

majlis perasmian simposium "ASEAN - JAPAN Cooperation Project for Human Resource Development in Food - related Areas through Partnership with Universities in ASEAN Region."

Di dalam mempromosikan GFVC ini, MAFF telah mengambil inisiatif untuk mengadakan perbincangan dan kerjasama di antara pihak kerajaan, industri dan akademik dalam menangani isu sekuriti makanan dan kemiskinan di rantau Asia.

Prof. Dato' Dr. Mohd Fauzi berkata UPM berbesar hati dipilih sebagai institusi pengajian tinggi (IPT) dari Malaysia untuk kerjasama program ini.

## Sukarelawan bantu mangsa banjir di Bera, Pahang

» Dari muka 3

Urai Lama.

"Alhamdulillah dalam misi fasa pertama kami berjaya membersihkan Klinik Kesihatan Bandar, Pasir Mas, Kelantan yang rosak teruk akibat banjir sehingga pusat itu mampu beroperasi keesokannya."

"Selain itu sukarelawan UPM juga membersihkan kawasan persekitaran dan komuniti Taman Rantau Emas, Sekolah Kebangsaan Gual Tinggi dan Sek. Men. Keb. Rantau Panjang serta kawasan Universiti Malaysia Kelantan di Pengkalanchepa," katanya.



## UPM and two Thai agricultural universities offer dual-degree programme

BANGKOK, Feb 5 - Universiti Putra Malaysia (UPM) has inked Memorandum of Agreements (MoA) with two top Thai universities - Kasetsart University and Maejo University - during the visit of Vice-Chancellor, Prof. Dato' Dr. Mohd. Fauzi Ramlan to several universities in Thailand on 2-5 February 2015 recently.

The memorandum of agreements will enable UPM and both universities to collaborate in offering dual-degree programmes at the graduate level.

At the ceremony, Kasetsart University (Sriracha

Campus) was represented by its Vice President, Assoc. Prof. Dr. Bordin Rassameethes, while Maejo University was represented by its President, Assoc. Prof. Dr. Channian Yosraj.

Kasetsart University, which is currently the 5th best university in Thailand has agreed to collaborate with UPM by offering a dual degree programme at Master and PhD levels in various fields of study, particularly in the areas related to agriculture, food science, forestry, agro-industry and economy.

On the other hand, the



At Maejo University: From left, Prof. Dr. Hasanah Mohd. Ghazali, Prof. Dr. Bujang Kim Huat, Prof. Dato' Dr. Mohd. Fauzi Ramlan, Assoc. Prof. Dr. Channian Yosraj (President, Maejo University), Assoc. Prof. Dr. Yongyooth Srigoofun, and Assoc. Prof. Jatuphong Varith, during the document exchange.

collaboration with Maejo University is to offer dual PhD programme in the areas related to agriculture, food science and technology and food engineering.

According to UPM Vice-Chancellor, the programmes will enable the involved graduate students to receive two certificates upon their completion, one from UPM and the other from its partnering university.

It will also provide an

opportunity for the students to gain experience and expand their working network through research collaboration conducted by the two universities, as well as advancing them in their future career.

For Malaysian and Thai students, the programmes will provide them with extra benefits as both universities have agreed to impose fees based on the local rate during their candidature.

## MPP zeroes in on students' welfare

By Azman Zakaria

SERDANG, Feb 6 - The Universiti Putra Malaysia (UPM) motto, "With Knowledge We Serve" has become truly significant for the UPM Students' Representative Council (MPP) President, Muhammad Hanif Ramlan.

Adamantly sticking to that expression, Muhammad Hanif, 21, vowed to serve his fellow students despite facing time constraints due to his focus on academic and association activities.

"The concept of knowledge, serving is what I hold on to firmly in performing and carrying out the mandate as the MPP President. The motto keeps me going. It gives me the shivers just to talk about it."

"An important key in doing something is sincerity, which has always become my principle," he said in an interview recently.

Muhammad Hanif, a third-year Bachelor of Forestry Science student, has been elected as the MPP President for the 2014/2015 session in the campus election which was held in December 2014, and was also the former MPP Vice President for the 2013/2014 session.

He described holding the post as the MPP Vice President in the 2013/2014 session, as his "trial period" and has since, determined to wholeheartedly continue assisting the students.

Today, he stood to do just that with the mandate given as the MPP President. Hence, not long after being entrusted with the responsibility, he revamped the MPP, to make it a better organisation.

"Now the organisation is more structured and well-linked with the 45 newly-elected exco members including the presidents



of faculties, colleges, associations and clubs, and it has also created a stronger bond through the formation of a solid team," said the youngest of four siblings who hailed from Pengkalan Hulu, Perak.

He said all the theory learned as well as through observation and experience obtained during his visit within the country and overseas, have been translated into services offered to the students.

Not only that, during his tenure as the 13th College president, he, along with other committee members managed to organise a programme at FELDA Mengkuang, Pahang which was also the college's "foster family", besides another programme at Kampung Kinasaraban, Kundasang, Sabah where coincidentally a house was ablaze and had caused its occupants homeless.

He said, Rakan Muda Secretariat Exploration Camp 2013 in Ulu Serting, Negeri Sembilan, had broadened his mind and taught him to think further. He was then selected to participate in the Rakan Muda Gunung Tahan Volunteers programme, elected as the UPM Rakan Muda Sector Publicity Committee Member, picked to take part in the Forestry Camp at Air Hitam Forest Reserve, Puchong where he was conferred the Best Forester, and appointed as the college's Supreme Council member for Students Sport and Recreation.

According to Hanif, with the 13th College principal's urge, he then went to contest in the MPP 2013/14 election before going for the presidency in the MPP 2014/2015 election.

## Helping Palestinians indeed satisfying, says Maulidur Rasul Award winner

Oleh Azman Zakaria

SERDANG: "Albeit only a little help was given, they replied with a smile. They never asked, however, when we handed out gifts, they expressed appreciation in a very grateful gesture."

Those were the words concluded by a Faculty of Agriculture, Universiti Putra Malaysia (UPM) lecturer, Associate Professor Dr. Hafidzi Mohd Noor about the Palestinians who were trodden down by the Israeli regime when he was leading a Non-Governmental Organisation (NGO), Aqsa Syarif in a humanity relief work in the country.

He said, things like that gave satisfaction and motivation for him and his colleagues to continue helping through

humanitarian missions by raising funds for medical supplies, food and education.

"It has become an 'amulet' for all those involved in the humanitarian missions to help more people who were being oppressed," he said in an interview at his office. He first became actively involved in humanitarian aid missions in 2000, and in 2010, through Aqsa Syarif after its establishment in the same year.

He was one of the recipients of the National Maulidur Rasul Award 1436/2015 on January 3 and took home RM20,000, a trophy and a certificate. All awards were presented by Deputy Prime Minister, Tan Sri Muhyiddin Yassin.

"I did not expect to receive the award due to my involvement in humanitarian



work was like a routine, and I was compelled to do it.

"This award is not for me alone, but for our struggle in general as many of them involved were activists at various levels and organisations," he said.

Although work is keeping him occupied as a lecturer at UPM, Dr. Hafidzi who is also the Chairman of Aqsa Syarif, managed to spare his time in carrying out humanitarian missions to Gaza in Palestine,

Syria, Aceh and Maluku in Indonesia, as well as Mindanao, Philippines.

Without the support from the employer, he said, it was difficult for him to carry out the work and almost impossible to do.

For him, helping downtrodden like the Palestinians, was like helping those people who were spiritually and physically resilient.

## Citi-UPM programme hones mature women on financial independence



By Norizahamalina Ramli  
Photo: Noor Azreen Awang

SERDANG, Feb 12 - Gerontology Institute (IG), Universiti Putra Malaysia (UPM) in collaboration with Citi Foundation, jointly organised the Citi-UPM Financial Empowerment for Mature Women to mete out financial solutions for old age benefits.

IG Director, Prof. Dr. Tengku Aizan Hamid, said the programme also managed to teach women, ranging from 40 to 60 years old, to be more concerned about their financial security planning

and ensure that they will be financially independent before reaching old age.

She said, the majority of women in low-income families have the potential in facing acute financial difficulties once they reach old age.

"One of the factors that increases the risk is no early planning and poor financial management in the family institution," she said at the programme's appreciation and certificate presentation ceremony here.

Participation certificates were presented by Deputy Vice Chancellor

(Industry and Community Relations), Prof. Dr.-Ing. Ir. Renuganth Varatharajoo to 88 participants from UPM Women's Association (PERMATA), Malaysia Hindu Sangam Association, Paya Jaras Muslim Women's Association and Sri Melaka Women's Association.

The organisation of the appreciation and certificate presentation ceremony was also intended to recognise the involvement of the participants who had joined the programme since early 2014.

A programme participant, Nurul Ain Yap Abdullah, 53,

said as a salon entrepreneur, the programme had helped her out in reassessing business debts to allay her financial burden.

A programme participant, Nurul Ain Yap Abdullah, 53, said as a salon entrepreneur, the programme had helped her out in reassessing business debts to allay her financial burden.

"This programme taught me to be more watchful when handling a large amount of cash for business purposes and every woman should be encouraged to participate in such a programme," she said.



# JOURNAL NEWS

From the Journal Division News Desk

## PREDATORY SCHOLARLY PUBLISHING IN THE HIGHLIGHT

The standard of journal publication takes centre-spot in a Pertanika invited article that exposes the growing incidence of predatory publishing that is tarnishing the world of scholarly publishing. Author Dr Termit Kaur sheds light in her article on the murky world of pay-for-publication pseudo-journals that is expanding at an incredible rate. This growth is largely due to the convenience of online publishing that has given ground to "the emergence of thousands of spurious journals" that do not bother with the niceties of peer review or even copyediting.

The original noble intention of making available quality research that is current and relevant to scholars around the world through open access (OA), has unfortunately, according to Termit, produced many counterfeit journals who now demand a fee for the immediate and unhindered publication of articles.

While credible and noteworthy journals subject every article they receive through editorial checks and peer reviews, these predatory journals are accepting and publishing any article they receive as long as the authors make payment. The authors, knowingly or unknowingly, tend to submit to this demand for payment because of the great import placed on publication for advancement in academia.

The old 'publish or perish' dilemma that seems to have led to this unhealthy trend in online publishing is a bane to honest scholars who, the author, points out, are losing out to the "unethical scientists who do not abide by the rules" as these shamelessly win tenure and promotion through the "evidence" of their many "publications".

In the article, she quoted Dr. Nayan Kanwal, Chief Executive Editor, Pertanika Journals as saying, "that academics are under continual pressure to publish in order to demonstrate academic talent". Academics who publish in journals are compensated with financial benefits attached to promotion. This pressure to publish is a cause of low-quality work being

submitted to academic journals. "In today's world that is driven by the Internet, a researcher must know how to distinguish between good and bad publishers. They must know what is constituted as acceptable practice," said Nayan Kanwal.

Dr. Termit proposes that oversight cannot be sidestepped in scholarly publishing. The editor, she cautions, must read "every paper with scrutiny". She recommends that a central publishing ethics board or council be set up to investigate bogus journals that are sprouting in cyberspace as they are a serious and dangerous threat to intellectual integrity and credible research. This will also safeguard the standards of scholarly publishing.

The article includes an outline of the process of publishing a scholarly article in a journal and briefly considers the rise of open access publishing

For full article, please refer to JSSH Vol. 22 (2) June 2014 at [http://www.pertanika.upm.edu.my/current\\_issues.php](http://www.pertanika.upm.edu.my/current_issues.php)

## PERTANIKA SPECIAL ISSUE FOR RAJABHAT UNIVERSITY, THAILAND

A Special Issue of Pertanika featuring the top 20 papers presented at an international conference will be published for Udon Thani Rajabhat University, one of Thailand's leading universities. Several other prominent Thai universities are also looking into publishing special issues with Pertanika

The 6th International Science, Social Sciences, Engineering & Energy Conference (I-SEEC 2014) held last December brought together 500 researchers and faculty from universities around the world. Also participating was Pertanika Chief Executive Editor, Dr. Nayan Kanwal, at the invitation of Dr. Viboon Pensuk, Vice President (Research), Udon Thani Rajabhat University.

The conference, held at Prajaktra Design Hotel, Udon Thani, Thailand, was organised by Udon Thani Rajabhat University in co-operation with Sakon Nakhon Rajabhat University, Loei Rajabhat University, Chiang Rai Rajabhat University, Nakhon Ratchasima Rajabhat University and Pibulsongkram Rajabhat University.



Courtesy Call: Prof. Dr. Ir. Kuswanto paid a courtesy call on Professor Dato' Dr. Mohd. Azmi Mohd. Lila, Deputy Vice Chancellor (R&I), Universiti Putra Malaysia

## SHARING KNOWLEDGE AND EXPERIENCE FOR FUTURE GROWTH

Pertanika Journals recently played host to distinguished guests from abroad in an effort to benefit from shared knowledge and experience.

Editor-in Chief of AGRIVITA, Journal of Agricultural Sciences (AJAS) from University of Brawijaya, Indonesia, Prof. Dr. Ir. Kuswanto M.S., along with Dr. Ir. Moch Dawam Maghfoer visited the Pertanika office last November to learn from themselves the secret behind the rapid growth of the three Pertanika journals in order to fuel the growth of their own journal. Prof. Kuswanto later paid a courtesy call on Professor Dato' Dr. Mohd. Azmi Mohd. Lila, Deputy Vice Chancellor (R&I), Universiti Putra Malaysia.

A second delegation from Indonesia was headed by Professor Rudi Febriamansyah of Universitas Andalas, Padang, who visited the Journal Division with his team of four, also to learn from the Pertanika model of success in growing a scholarly journal.

Pertanika itself benefitted from the visit of distinguished visiting professor, IEEE-EDS Dr Vijay K. Arora from Wilkes University, USA, currently an International Advisory Board member of Pertanika Journal of Science and Technology. Prof. Dr. Arora shared valuable ideas with the Chief Executive Editor, Dr Nayan Kanwal on how Pertanika can be nurtured to earn its place on the international platform as a journal of global standing.

Pertanika Journals

## Forthcoming Articles.....

Journal of Tropical Agricultural Science

JTAS VOL. 38 (2) MAY 2015

Application of PCR and MAS: Potential Use for Assessment of Genetic Diversity of Rice Germplasm in Breeding Programmes in Developing Countries  
Wijerathna, Y. M. A. M., Perera, A. N. K., Hamama, I. B. and Hoang, L.  
JTAS-0613-2014

Effects of Combination Ethephon and Urea on Productivity of *Jatropha curcas* L. Thai Accession  
Shuib, N. H. and Sulaiman, Z.  
JTAS-0538-2013

Effective Elements on Technical Knowledge of Agricultural Section for Sustainable Soil Management  
Mohammad Sadeq Sabouti, Maysam Solouki and Marzieh Shahrzad  
JTAS-0503-2013

Ethnomedicinal Study of Plants in Hathazari, Chittagong, Bangladesh  
Sajib, N. H. and Uddin, S. B.  
JTAS-0572-2013

Length-Weight Relationship and Relative Condition Factor of *Parapenaeopsis sculptilis* (Heller, 1862) from the Coastal Waters of Perak, Peninsular Malaysia  
Amami, A. A., Arshad, A., Yusoff, F. M. and Amin, S. M. N.  
JTAS-0591-2013

Dissemination of Natural Resource Management Technology for Irrigated Rice in the Philippines: On-Farm Validation to National Extension  
Corales, A. M., Sibayan, E. B. and Palis, F. G.  
JTAS-0603-2014

Isolation and Characterization of EgGST, a Glutathione S-transferase Protein Transcript in Oil Palm (*Elaeis guineensis* Jacq.)  
Gonie Toh, Parameswari Namasivayam, Ho Chai Ling and Sharifah Shahruhi Rabbiah Syed Aliwee  
JTAS-0604-2014



Don't Miss It!

Optimisation of Solid Liquid Extraction of *Orthosiphon stamineus* Leaves using Response Surface Methodology Technique  
Mohd Farhan, A. R., Pin, K. Y., Zamree, M. S., Luqman Chuah, A. and Nazira, M.  
JTAS-0607-2014

Garlic: An Effective Functional Food to Combat the Growing Antimicrobial Resistance  
Shivani Gupta, Suman Kapoor, Padmavathi DV and Apoorva Verma  
JTAS-0616-2014

Comparison of Protein Extraction Protocols for Proteomic Analysis of Red Algae, *Eucheuma cottonii*  
Lim, H. T. and Teo, S. S.  
JTAS-0625-2014

Relationship between Size of Fish, Temperature and Parasitic Intensity in Snakehead Fish Species from Kepala Batas, Penang, Peninsular Malaysia  
Rajiv Ravi and Zary Shiraman Yahaya  
JTAS-0626-2014

Pertanika JTAS is indexed in SCOPUS (Elsevier), Thomson (ISI) Web of Knowledge (BIOSIS & CAB Abstracts), EBSCO, DOAJ, AGRICOLA, ISC, MyAIS and Rubriq.



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Visit the journal's profile at: <http://www.pertanika.upm.edu.my/>



# TPU mampu terus berkembang, jana pendapatan - Prof. Dr. Wahid

Oleh Azman Zakaria

SERDANG, 19 Jan - Kekuatan staf, jentera dan peralatan digabung jalinkan oleh Prof. Dr. Abd Wahid Haron dalam memacu Taman Pertanian Universiti (TPU) sepanjang tiga tahun beliau mengetuai TPU dengan fokus kepada elemen penjanaan pendapatan sebagai peranan tambahan TPU.

Beliau yang memegang jawatan Pengarah TPU Universiti Putra Malaysia (UPM) dari Januari 2012 hingga 31 Disember 2014 menerapkan elemen baharu itu sebagai tambahan terhadap penumpuan asal TPU iaitu memberi perkhidmatan, kemudahan pertanian dan latihan.

Katanya, kutipan buah kelapa sawit sebelum ini dilakukan secara kontrak tetapi mulai 2014 staf mengambil inisiatif mengambil dan menghantarnya terus ke kilang, sekali gus memberi pulangan pendapatan lebih tinggi.

Prof. Dr. Abd Wahid, kini pensyarah di Fakulti Perubatan Veterinar

berkata untuk dua tahun berturut-turut 'pesta rambutan' diadakan dengan bermula secara kecil-kecilan pada 2013 sebelum diadakan dalam skala lebih besar pada 2014.

"Pengunjung dapat merasakan pengalaman memetik sendiri buah rambutan. Ada yang memanjat pokok dan memetik buahnya, dan merasai keseronokannya.

"Mereka berkata 'jika setakat nak makan rambutan, boleh beli di pasar raya tapi di sini dapat rasai pengalaman memetik dan menikmatinya dalam suasana persekitaran dusun'.

Sambutan yang diterima menyebabkan tempoh 'pesta rambutan' itu yang dirancang dua hari dilanjutkan kepada lima hari pada tahun lalu," katanya.

Bimbangan lambakan ketika musim buah-buahan, katanya, TPU turut bekerjasama dengan Fakulti Sains dan Teknologi Makanan menghasilkan kordial dan jem rambutan.

Bagi kawasan ladang kongsi yang

tiada aktiviti ketika pelajar cuti hujung semester pula, katanya, staf mengusahakan tanaman kontan seperti pisang dan jagung untuk memastikan tanah berkenaan tidak terbiar.

Menurut Dr Abd Wahid, beliau turut memberi fokus kepada penanaman semula di kawasan pokok yang sudah tua, seperti bekerjasama dengan Fakulti Pertanian melakukan penanaman semula pokok kelapa sawit tiga tahun lalu di kawasan sekitar Dewan Bankuet.

Selain itu, penanaman semula durian dibuat di kawasan berhampiran kawasan kolej bagi menggantikan pokok yang sudah mencapai usia lebih 30 tahun, dengan menanam klon durian bernilai komersil seperti 'Musang King'.

Beliau berkata di Ladang Puchong pula, terdapat banyak klon mangga tetapi yang tidak bernilai komersil dan tidak pernah berbuah. "Selepas usaha pengebungan, ia lebat berbuah. Meskipun tidak bernilai komersil, pokok-pokok ini penting



sebagai bahan penyelidikan, koleksi dan untuk kacukan."

Melalui kerjasama dengan Fakulti Sains dan Teknologi Makanan pula katanya, penghasilan produk berasaskan buah seperti jeruk buah pala, betik dan kedondong diusahakan. Terdapat 60 pokok buah pala di Bukit Ekspo.

Dr Abd Wahid berkata bagi ternakan dan haiwan, iaitu lembu tenusu, lembu pedagang, kambing dan rusa pula, sistem 'silaj' diperluaskan akhir tahun

2012 dalam usaha meningkatkan kualiti rumput iaitu sumber makanan haiwan berkenaan terutama untuk masa kecemasan seperti ketika kemarau.

Kaedah 'potong dan angkut' dilakukan dan haiwan tidak dibenarkan masuk ke kawasan tanaman rumput itu.

Selepas tiga tahun menerajui TPU, beliau mahu melihat TPU berkembang lebih maju. "Kawasan UPM khususnya di TPU boleh dijadikan kawasan rekreasi seperti untuk aktiviti berbasikal," katanya.



## Stem-UPM & UPM-Green Fingers bersama komuniti Paloh

Oleh Basri Bakar

PALOH - Universiti Putra Malaysia (UPM) telah melancarkan Program Science, Technology, Engineering, Mathematic (STEM) dan UPM-Green Fingers bagi mendidik komuniti Paloh terutamanya pelajar sekolah dan belia untuk meminati bidang sains dan pertanian pada 10 Januari lalu.

Program STEM dikendalikan oleh pensyarah daripada Fakulti Sains UPM selama dua tahun akan disertai oleh pelajar-pelajar serta guru-guru daripada Sekolah Menengah Kebangsaan Seri Kota Paloh dan Sekolah Menengah

Kebangsaan Seri Sembrong, Johor. Sementara program UPM-Green Fingers akan dikendalikan oleh Pusat Transformasi Komuniti Universiti (UCTC) bertujuan untuk memupuk minat komuniti setempat dalam bidang pertanian.

Menteri Pertahanan Malaysia merangkap Ahli Parlimen Sembrong, Johor Dato' Seri Hishammuddin Tun Hussein merasmikan program tersebut yang turut dihadiri oleh Timbalan Naib Canselor (Jaringan Industri dan Masyarakat), Prof. Dr. -Ing. Ir. Renuganth Varatharajoo pada Karnival Permuafakatan Belia Paloh 2015 baru-baru ini.



## UCTC bantu penternak Batu Talam

Oleh Khairul Ziana Kinainah

RAUB, 9 Feb - Pusat Transformasi Komuniti Universiti (UCTC) UPM telah menganjurkan Majlis Pelancaran Program Penghakupayaan Penternak dan Klinik Pakar UPM di Mukim Batu Talam, Raub, Pahang untuk mempromosikan kejayaan penternak Raub yang telah berjaya dan dijadikan model motivasi pada masyarakat umum.

Pengarah UCTC, Prof. Madya Dr. Hawa ZE Jaafar berkata program pemindahan ilmu itu adalah untuk meningkatkan pengetahuan dan ekonomi penternak kambing di

Mukim Batu Talam, Raub, Pahang.

"Program ini telah berjaya mentransformasi komuniti penternakan kambing di Mukim Batu Talam Raub Pahang dari segi peningkatan pendapatan dan taraf hidup penternak di Batu Talam, Raub.

"Pada masa yang sama program ini telah dijadikan Projek Angkat UPM dan Projek Flagship UPM untuk dilaksanakan di daerah lain bagi mentransformasi komuniti secara lestari," katanya selepas program yang dilancarkan oleh Timbalan Ketua Setiausaha (Pembangunan), Kementerian Pertanian dan Industri Asas Tani.

## UPM raih 'Order of Merit: Best Invention for Children' di World Inventor Award Festival

> Dari muka 8

"Pengiktirafan ini membuka ruang dan peluang produk tempatan ke arena antarabangsa," katanya. Dr Mohamad Fazli kini giat menjalankan penyelidikan dalam bidang kewangan pengguna, kepenggunaan dan pendidikan kewangan dari peringkat kanak-kanak sehingga warga tua bersama Bank Negara Malaysia dan Agensi Kaunseling dan Pengurusan Kredit (AKPK).

Ini adalah kali pertama UPM memenangi 'Order of Merit' itu. Menurut KINEWS pertandingan itu bertujuan untuk mengiktiraf pereka cipta, sekali gus membuka ruang dan peluang bagi mereka melalui WIAF apabila kerjaya mereka dalam bidang reka cipta boleh mendapat pengiktirafan tinggi 'World Inventor Order of Merit'.

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Mohd Mazlimin Omar

### PEMBANTU PENGEDARAN

Kamarul Abu Bakar  
Erwan Kasimungi  
Suhaimi Yaakub

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Editor  
Tribun Putra  
Pejabat Strategi Korporat & Komunikasi (CoSComm)  
Universiti Putra Malaysia  
43400 Serdang, Selangor

Telefon : 03-89466013  
Faksimili : 03-89422609  
03-89468972  
Emel : khal.upm@gmail.com





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## GEMILANG UPM

# 3 Emas, 1 Anugerah Khas di MTE

Oleh Hafiza Hussin

KUALA LUMPUR, 14 Feb - Penyelidik Universiti Putra Malaysia (UPM) berjaya membawa pulang tiga pingat emas dan satu anugerah khas dalam pameran Malaysia Teknologi Expo (MTE) 2015 pada 12-14 Februari di Pusat Dagangan Dunia Putra (PWTC) di sini.

Penyelidik UPM turut memenangi empat pingat perak dan sembilan gangsa dalam MTE yang mempertandingkan 16 inovasi pelbagai kategori selain UPM memenangi tempat kedua bagi Best Booth Design Shell Scheme Category.

Kesemua pemenang menerima pingat beserta sijil yang disampaikan oleh Presiden Malaysian Association Research Scientist (MARS), Dr. Wan Manshol W. Zin selaku penganjur rasmi bagi MTE 2015.

Dr. Farzad Hejazi dari Fakulti Kejuruteraan UPM mendapat emas dan Anugerah Khas - Gold Medal with Compliment from Panel Jury, selama dua tahun berturut-turut melalui inovasi beliau iaitu Special Connection for Precast Walls.

Ia adalah keluli sambungan saluran berbentuk U untuk pratuang dinding yang digunakan di dalam sistem bangunan perindustrian bagi mengurangkan kesan beban dinamik dan kerosakan pada bangunan akibat getaran seperti banjir, tsunami, gempa bumi, kenderaan dan jentera berat.



Dr. Wan Manshol menyampaikan anugerah kepada Dr. Farzad (kanan) bagi pingat emas dan Anugerah Khas

Emas kedua dimenangi oleh Dr. Janet Lim Hong Ngee dari Fakulti Sains dengan tajuk *How Practical is Supercapacitor with Flexibility? You Decide* berkaitan inovasi superkapasitor fleksibel yang mempunyai stabiliti terbaik meminimalkan saiz ruang untuk digunakan dalam pelbagai bentuk permukaan melengkung.

Prof. Dr. Lai Oi Ming daripada Fakulti Bioteknologi dan Sains Biomolekul pula meraih emas

melalui produknya iaitu *SuperCare Stabilized Carotenoids and Vitamin E Powder* iaitu bahan semulajadi yang mengandungi *tocopherols* dan *tocotrienols* serta *carotenoids* berbentuk serbuk untuk dicampurkan dengan mudah di dalam pelbagai produk untuk pelbagai fungsi.

*Tocols* dan *carotenoids* adalah agen antioksidan yang baik dan sesuai diaplikasikan di dalam makanan tambahan dan pewarna semulajadi makanan dan kosmetik.

Nama Produk/ Teknologi	Nama Ketua Projek	Fakulti/ Institut	Pencapaian
Special Connection for Precast Walls	Dr. Farzad Hejazi	Fakulti Kejuruteraan	Emas+ Anugerah Khas (Gold Medal with Compliment from Panel Jury + RM 500)
How Practical is Supercapacitor with Flexibility? You Decide.	Dr. Lim Hong Ngee	Fakulti Sains	Emas
Stabilized Carotenoids and Vitamin E Enriched Powder	Prof. Dr. Lai Oi Ming	Fakulti Bioteknologi dan Sains Biomolekul	Emas
Ontology/ Virtual Community of Practice System Model (OVCoP)	Prof. Dr. Rusli Hj. Abdullah	Fakulti Sains Komputer dan Teknologi Maklumat	Perak
Ultrasound Bath Aided Mixing System	Prof. Madya Dr. Chin Nyuk Ling	Fakulti Kejuruteraan	Perak
Creating originality and effectiveness in music accompaniment of sports routine	Dr. Loo Fung Chiat	Fakulti Ekologi Manusia	Perak
Exotic Ice Structuring Peptides	Prof. Dr. Mohd. Basyaruddin Abdul Rahman	Fakulti Sains	Perak
Digital Speech Watermarking For Online Speaker Recognition Through G.722 VoIP Channel	Prof. Madya Syed Abdul Rahman Al Haddad	Fakulti Kejuruteraan	Gangsa
Clothing Fashion Design Competency Instrument (CfADC)	Dr. Arasnah Kamis	Fakulti Pengajian Pendidikan	Gangsa
Single Layer Graphene Oxide	Dr. Nor Azowa Ibrahim	Fakulti Sains	Gangsa
Polysulfone/Chitosan Composite Membrane for CO <sub>2</sub> /CH <sub>4</sub> Separation	Dr. Nor Azowa Ibrahim	Fakulti Sains	Gangsa
Extraction of Pomelo Juice Using A Pomelo Juice Extractor	Prof. Madya, Dr. Rosnah Shamsudin	Fakulti Kejuruteraan	Gangsa
Nano-encapsulated organic phase change material	Prof. Dr. Mohd Zobir Hussein	Institut Teknologi Maju	Gangsa
After A Dream	Prof. Madya Dr. Joanne Yeh Pei Sze	Fakulti Ekologi Manusia	Gangsa
A Lactococcal Biotronic Vector System for Gene Delivery in Eukaryotic Cells	Dr. Nuruliza Mat Isa	Fakulti Bioteknologi dan Sains Biomolekul	Gangsa

## UPM raih 'Order of Merit: Best Invention for Children' di World Inventor Award Festival

Oleh Azman Zakaria

SEOUL - Universiti Putra Malaysia (UPM) memenangi 'Order of Merit: Best Invention for Children' pada '2014 World Inventor Award Festival' (WIAF) di Seoul, Korea Selatan baru-baru ini.

Ketua Jabatan Pengurusan Sumber dan Pengajian Pengguna, Fakulti Ekologi Manusia, Dr. Mohamad Fazli Sabri dan Pegawai Perkhidmatan Pendidikan Siswazah Pusat Penyelidikan Keluarga, Remaja dan Kanak-Kanak (FACE) fakulti yang sama Nurhayatul Nira Ramli, menerima sijil, medal dan trofi pada majlis berkenaan yang disampaikan oleh Pengerusi, Presiden Suruhanjaya WIAF Korea Invention News (KINews), Soung-Mo Hong.

Kejayaan itu adalah hasil inovasi 'Smart Money Kit: Bright Kid Smart Money' iaitu inisiatif untuk meningkatkan kesedaran ibu bapa dan para pendidik berkaitan amalan pengurusan kewangan yang bijak dan berhemah.

Kit ini adalah program pendidikan kewangan yang



disasarkan kepada kumpulan kanak-kanak berumur antara 6 dan 12 tahun untuk mendidik mereka mengenai kepentingan wang dan pengurusan wang dalam kehidupan. Tinjauan kajian literatur menunjukkan bahawa sekiranya kanak-kanak didedahkan dengan pengetahuan dan kemahiran pengurusan kewangan di awal usia, ia memberi kesan positif kepada amalan pengurusan kewangan apabila mereka dewasa.

Kelebihan produk ini adalah ia direkabentuk sesuai untuk kegunaan tempatan dan antarabangsa. Ia adalah kit pendidikan yang komprehensif kerana mengandungi enam unit asas mengenai pendidikan

kewangan iaitu mari kenal wang, matlamat kewangan, keperluan melawan kehendak, simpanan, belanja dan bajet, serta konsep asas perbankan Islam. Kaedah 'belajar sambil bermain' serta aktiviti santai mengikut perkembangan umur juga adalah kelebihan produk ini.

Dr. Mohamad Fazli berkata pengiktirafan itu menunjukkan bahawa hasil inovasi penyelidik tempatan bukan sahaja memberi manfaat kepada Malaysia sahaja malah juga memberi sumbangan yang signifikan kepada masyarakat antarabangsa.

» Lihat muka 7

## Dr. Hafidzi terima Anugerah Maulidur Rasul peringkat kebangsaan

PUTRAJAYA - Prof. Madya. Dr. Hafidzi Mohd. Noor dari Fakulti Pertanian, Universiti Putra Malaysia (UPM) menerima Anugerah Maulidur Rasul 1436H/2015 sempena sambutan Maulidur Rasul peringkat kebangsaan di Masjid Putra, Putrajaya pada 3 Januari, 2015 baru-baru ini.

Beliau yang menerima anugerah daripada Timbalan Perdana Menteri, Tan Sri Muhyiddin Yassin merupakan antara sembilan penerima anugerah itu di mana masing-masing menerima hadiah wang tunai RM20,000, trofi dan sijil penghargaan termasuk seorang penerima anugerah Tokoh Perdana Maulidur Rasul.

Dr. Hafidzi Mohd. Noor dinobatkan sebagai penerima atas usaha beliau sebagai pengerusi organisasi bukan kerajaan (NGO) iaitu Aqsa Syarif Berhad yang mengutip dana memberi bantuan kemanusiaan seperti bekalan perubatan, makanan dan pendidikan kepada rakyat Palestin dan kem-kem sementara rakyat Palestin di Beirut, Jordan dan Syria.

"Anugerah ini bukan milik peribadi tetapi sebenarnya untuk perjuangan pembebasan Palestin dan akhirnya pembebasan Masjid Al-Aqsa.



"Saya dedikasikan anugerah ini buat pejuang dan masyarakat hari ini yang bertungkus lumus untuk memastikan bumi Palestin, tanah suci orang Islam termasuk masjid Islam ketiga agar bebas satu hari nanti," jelasnya.